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(FILE 'HOME' ENTERED AT 20:29:46 ON 04 MAR 2008)

FILE 'REGISTRY' ENTERED AT 20:30:01 ON 04 MAR 2008

E OLEOYLETHANOLAMIDE/CN

L1 1 S E3

E RIMONABANT/CN

L2 1 S E3

FILE 'CAPLUS, USPATFULL, USPATOLD, USPAT2' ENTERED AT 20:31:44 ON 04 MAR 2008

L3 453 S L1

L4 528 S L2

L5 0 S L3 (L) L4

L6 13 S L3 AND L4

L7 4 S L6 AND PD<2003

03/05/2008

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:763837 CAPLUS <<LOGINID::20080304>>  
 DOCUMENT NUMBER: 132:460  
 TITLE: Control of pain with endogenous cannabinoids  
 INVENTOR(S): Calignano, Antonio; La Rana, Giovanna; Giuffrida, Andrea; Piomelli, Daniele  
 PATENT ASSIGNEE(S): Neurosciences Research Foundation, Inc., USA  
 SOURCE: PCT Int. Appl., 29 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9960987	A2	19991202	WO 1999-US11905	19990528 <--
WO 9960987	A3	20000127		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2330681	A1	19991202	CA 1999-2330681	19990528 <--
EP 1082292	A2	20010314	EP 1999-930125	19990528 <--
EP 1082292	B1	20050928		
R: CH, DE, FR, GB, IT, LI, SE				
US 6348498	B1	20020219	US 1999-322843	19990528 <--
JP 2002516262	T	20020604	JP 2000-550448	19990528 <--
AU 776414	B2	20040909	AU 1999-46729	19990528
EP 1645270	A2	20060412	EP 2005-76838	19990528
EP 1645270	A3	20060531		
R: CH, DE, FR, GB, IT, LI, SE				
US 2002173550	A1	20021121	US 2002-54394	20020122 <--
US 6656972	B2	20031202		
PRIORITY APPLN. INFO.:			US 1998-87289P	P 19980529
			EP 1999-930125	A3 19990528
			US 1999-322843	A1 19990528
			WO 1999-US11905	W 19990528

AB Novel pharmaceutical therapeutic compns. and methods for using same for the treatment of pain experienced by an individual are provided. The compns. contain at least one member selected from among anandamide and palmitylethanolamide. The role of CB1 and CB2 receptors, resp., in the analgesic actions of anandamide and palmitylethanolamide as well as synergistic analgesic interactions between these two substances are discussed.

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:201257 CAPLUS <<LOGINID::20080304>>  
 DOCUMENT NUMBER: 131:29972  
 TITLE: Inhibition of sea urchin fertilization by fatty acid ethanolamides and cannabinoids

AUTHOR(S): Berdyshev, Evgueni V.  
CORPORATE SOURCE: Institute of Marine Biology, Vladivostok, 690041, Russia  
SOURCE: Comparative Biochemistry and Physiology, Part C: Pharmacology, Toxicology & Endocrinology (1999), 122C(3), 327-330  
CODEN: CBPCEE; ISSN: 0742-8413  
PUBLISHER: Elsevier Science Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The influence of saturated and unsatd. fatty acid ethanolamides as well as  $\Delta^9$ -tetrahydrocannabinol ( $\Delta^9$ -THC), WIN 55,212-2 and cannabinoid CB1 receptor antagonist SR 141716 on sea urchin fertilization was studied. The ethanolamides of arachidonic, oleic and linoleic acids but not saturated fatty acid (C14-C20) derivs. inhibited fertilization when pre-incubated with sperm cells.  $\Delta^9$ -THC and WIN 55,212-2 also inhibited fertilization,  $\Delta^9$ -THC being ten times as potent as WIN 55,212-2. Selective cannabinoid CB1 receptor antagonist SR 141716 also blocked fertilization and did not antagonize the action of  $\Delta^9$ -THC. The obtained results indicate that different unsatd. fatty acid ethanolamides may control sea urchin fertilization, and that sea urchin sperm cell cannabinoid receptor may differ from the known cannabinoid receptor subtypes.

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:308422 USPATFULL <<LOGINID::20080304>>  
TITLE: Control of pain with endogenous cannabinoids  
INVENTOR(S): Calignano, Antonio, Naples, ITALY  
La Rana, Giovanna, Naples, ITALY  
Guiffrida, Andrea, Laguna Beach, CA, UNITED STATES  
Piomelli, Daniele, Irvine, CA, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002173550	A1	20021121	<--
	US 6656972	B2	20031202	
APPLICATION INFO.:	US 2002-54394	A1	20020122	(10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-322843, filed on 28 May 1999, GRANTED, Pat. No. US 6348498			

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-87289P	19980529 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Stephen T. Scherrer, McDermott, Will & Emery, 227 West Monroe Street, Chicago, IL, 60606-5096	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	621	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel pharmaceutical therapeutic compositions and methods for using same for the treatment of pain experienced by an individual are provided. The

compositions contain at least one member selected from among anandamide and palmitylethanolamide

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:34468 USPATFULL <<LOGINID::20080304>>  
TITLE: Control of pain with endogenous cannabinoids  
INVENTOR(S): Calignano, Antonio, Naples, ITALY  
La Rana, Giovanna, Naples, ITALY  
Guiffrida, Andrea, Laguna Beach, CA, United States  
Piomelli, Daniele, Irvine, CA, United States  
PATENT ASSIGNEE(S): Neurosciences Research Foundation, Inc., San Diego, CA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6348498	B1	20020219	<--
APPLICATION INFO.:	US 1999-322843		19990528	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-87289P	19980529 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Krass, Frederick	
LEGAL REPRESENTATIVE:	McDermott, Will & Emery	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	679	

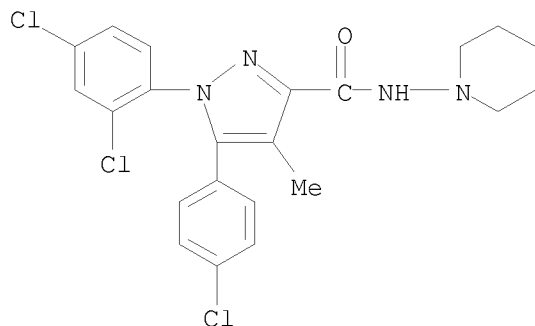
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel pharmaceutical therapeutic compositions and methods for using same for the treatment of pain experienced by an individual are provided. The compositions contain at least one member selected from among anandamide and palmitylethanolamide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 168273-06-1 REGISTRY  
ED Entered STN: 03 Oct 1995  
CN 1H-Pyrazole-3-carboxamide, 5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-N-1-piperidinyl- (CA INDEX NAME)  
OTHER NAMES:  
CN 1-(2,4-Dichlorophenyl)-5-(4-chlorophenyl)-4-methyl-N-(piperidin-1-yl)-1H-pyrazole-3-carboxamide  
CN 5-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carboxylic acid N-(piperidin-1-yl)amide  
CN A 281  
CN Acompia  
CN N-Piperidino-5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-4-methylpyrazole-3-carboxamide  
CN Rimonabant  
CN SR 141716  
DR 948565-21-7  
MF C22 H21 Cl3 N4 O  
CI COM  
SR CA  
LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CIN, CSCHEM, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSPRODUCT, IMSRESEARCH, IPA, MRCK\*, PATDPASPC, PROMT, PROUSDDR, PS, RTECS\*, TOXCENTER, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)



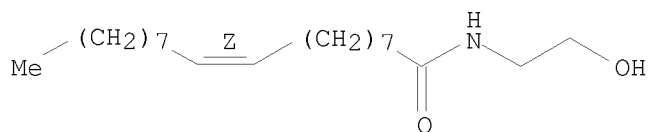
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

422 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
424 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 111-58-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9-Octadecenamide, N-(2-hydroxyethyl)-, (9Z)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 9-Octadecenamide, N-(2-hydroxyethyl)-, (Z)-  
CN Oleamide, N-(2-hydroxyethyl)- (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN AM 3101  
CN N-(2-Hydroxyethyl)oleamide  
CN N-Oleoyl-2-aminoethanol  
CN N-Oleoylethanolamine  
CN Oleamide MEA  
CN Oleic acid ethanolamide  
CN Oleic acid monoethanolamide  
CN Oleoylethanolamide  
FS STEREOSEARCH  
MF C20 H39 N O2  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS,  
CASREACT, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MEDLINE,  
RTECS\*, TOXCENTER, USPAT2, USPATFULL, USPATOLD  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

358 REFERENCES IN FILE CA (1907 TO DATE)  
17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
361 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)